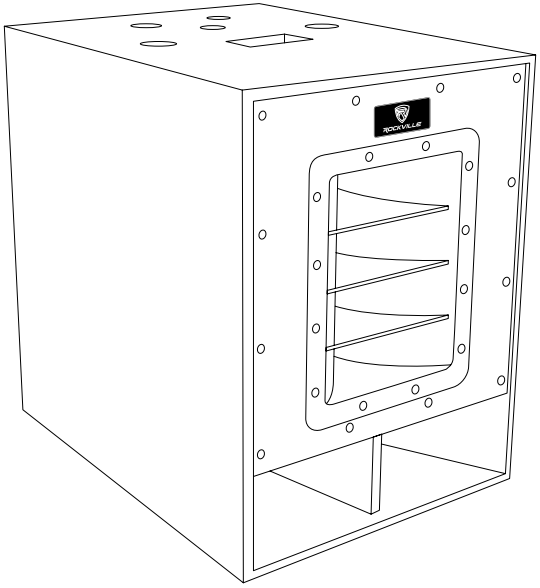
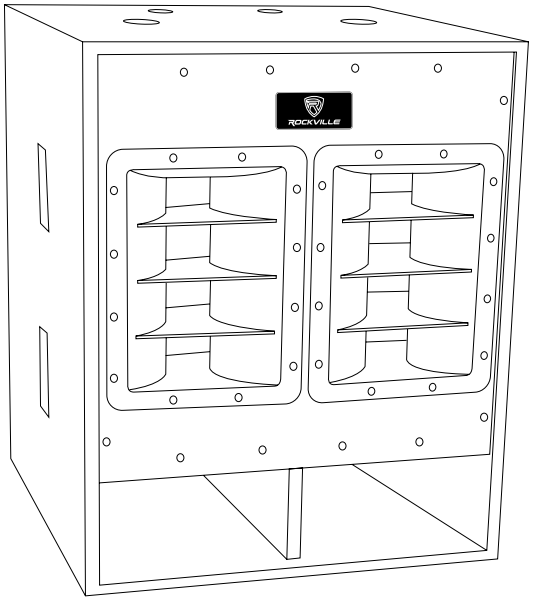
ROCKVILLE





RBG-15F/RBG-18F
OWNER'S MANUAL

BASS GG
SERIES

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Thank you for purchasing this Rockville Bass Gig series Folded Horn pro audio speaker.

We are very proud to bring you what we consider to be the absolute best value line pro audio speakers. This project has been a culmination of years of development involving a team of dreamers, engineers, designers and marketing gurus. Proudly conceived and developed in the USA, Rockville pro audio speakers are designed and engineered by a team of music enthusiasts, DJ's and musicians.

We have spared no expense in manufacturing these speakers to meet the highest quality standards. With proper care and installation this unit will provide you with the highest levels of sound quality. We hope that this unit will bring you years of performance and reliability.

Our goal to you and to your audience is to hear "live performance sound" the way it was meant to be experienced.

Please read this installation guide carefully for proper use of your Bass Gig series Folded Horn pro audio speaker. Should you need technical assistance during or after your installation please call our technical help line at 1-646-758-0144, Monday through Friday, 9am to 5pm EST.

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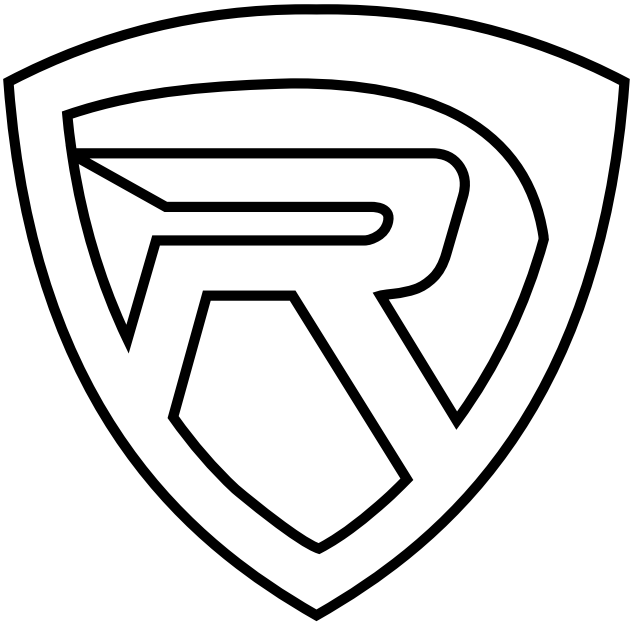


Specifications
RBG-15FA

- 600 Watts RMS / 1200 Watts Program / 2400 Watts Peak
- 15" Woofer with 110oz Magnet and 4" Voice Coil
- Frequency Response: (+/-3dB) 30Hz - 120Hz
- Maximum SPL @ 1w / 1m: 130dB Peak / 127dB Continuous

Specifications
RBG-18FA

- 750 Watts RMS / 1500 Watts Program / 3000 Watts Peak
- 18" Woofer with 130oz Magnet and 4" Voice Coil
- Frequency Response: (+/-3dB) 25Hz - 120Hz
- Maximum SPL @ 1w / 1m: 135dB Peak / 129dB Continuous

Features
RBG-15FA / RBG-18FA

- Folded horn design powered subwoofer
- Power-On and Signal Input LED Indicators
- Signal Input LED Indicator
- Clip Limiter Circuitry with LED Indicator
- Balanced XLR
- Balanced XLR thru/output jacks for parallel connections
- Passive heat sink with heat sensitive variable speed auto turn-on fan for cooling
- Subwoofer Crossover 50Hz-250Hz Low Pass
- Subwoofer Level Adjustment
- Subwoofer Phase Control
- Built-in XLR Balanced High Pass Preamp Output @ 120Hz
- Ground Lift switch for ground-loop noise elimination
- Built-in pole mount socket
- Built-in carrying handles
- Heavy-duty 2" (RBG-15FA) / 3" (RBG-18FA) locking caster wheels
- High density MDF construction
- Dimensions: RBG-15FA - 23.7" x 17.2" x 23.5" / RBG18FA - 35.4" x 28.7" x 29.1"
- Weight: RBG-15FA - 83Lbs / RBG-18FA - 130Lbs

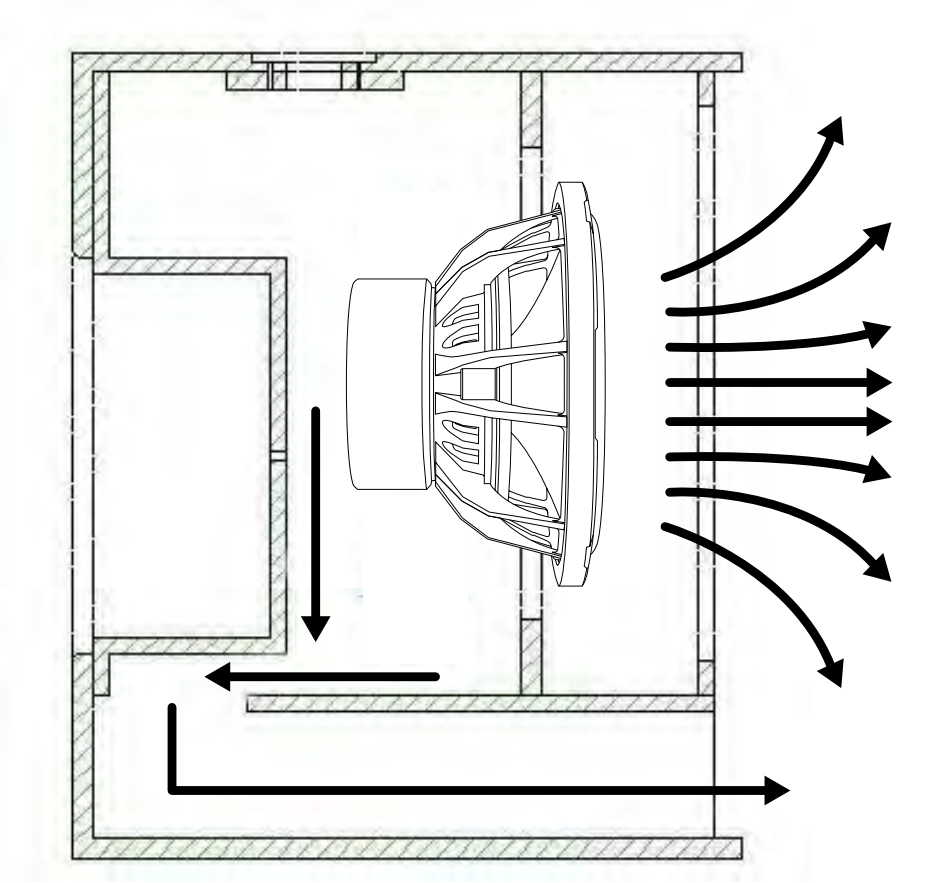
ROCKVILLE

IMPORTANT SAFETY INSTRUCTIONS

- To reduce risk of electric shock, never open the unit. There are no user serviceable parts, refer service to an authorized Rockville service center.
- Do not expose this unit to any kind of moisture.
- Unit should be situated away from heat sources.
- Do not obstruct vents or exhaust fan.
- Please ensure that the unit is situated in a properly ventilated area.
- Make sure the unit is placed on a level and stable surface. This unit should not be mounted to a wall or ceiling.
- If this product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other), it will fit into the outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug If the plug should still fail to fit, contact your electrician to replace your obsolete outlet Do not defeat the safety purpose of the polarized plug. If this product is equipped with a three-wire grounding type plug, a plug having a third (grounding) pin, it will only fit into a grounding type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding type plug.

What is a Folded Horn woofer you ask?

Any horn shape which gradually expands from a small inlet to a large opening will act as a physical amplifier for sound applied to the smaller end. When coupled to a loudspeaker it improves its efficiency, but a full-size horn that would work at low frequencies would make for an impractically large cabinet. By folding the horn back on itself, you can significantly reduce its size, without compromising the effect. When this technique is is used to take energy from the back of a speaker and redirect it to the front, you have a folded horn bass reflex cabinet. Below is an example of a basic folded horn design.



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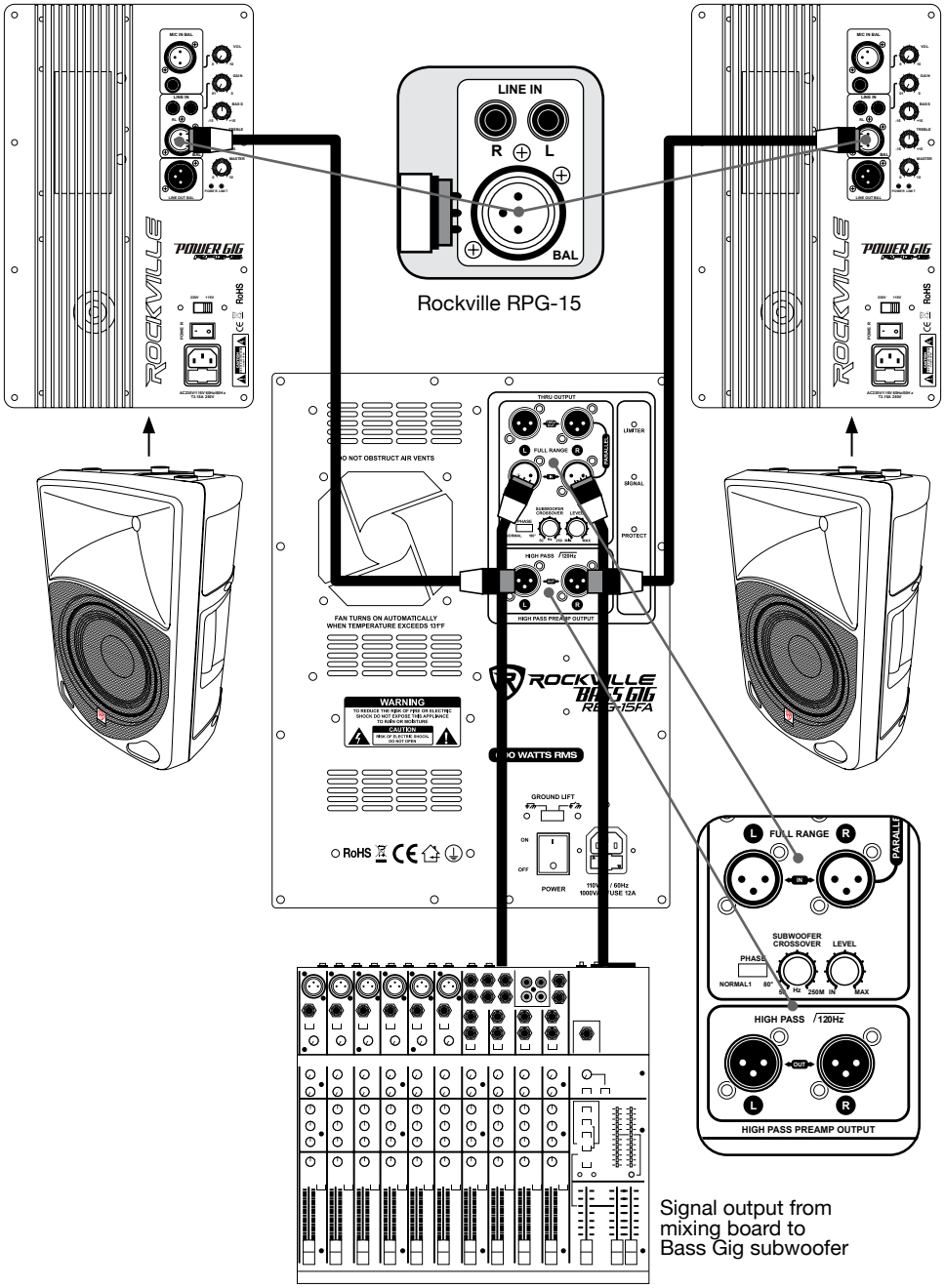
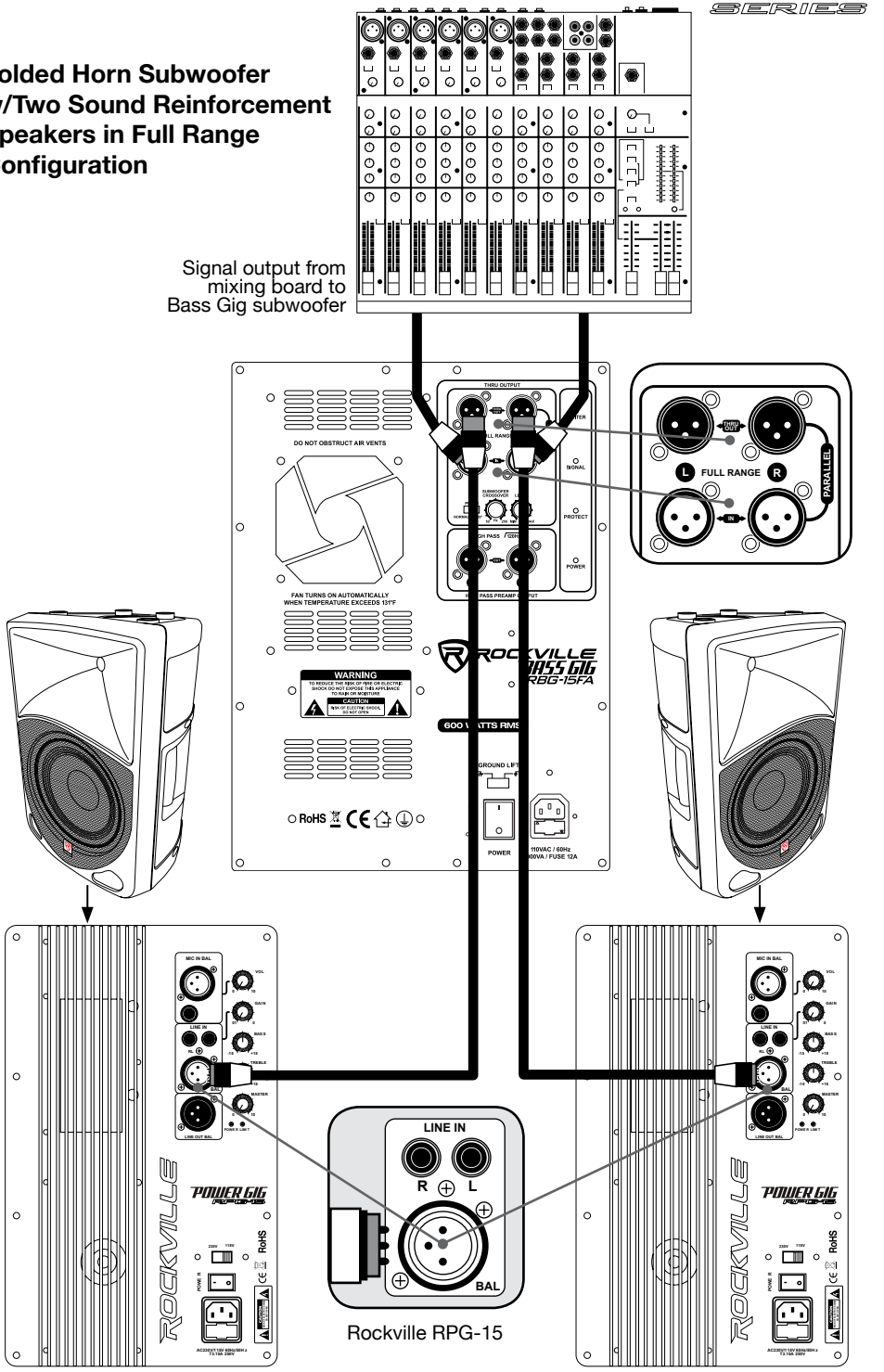
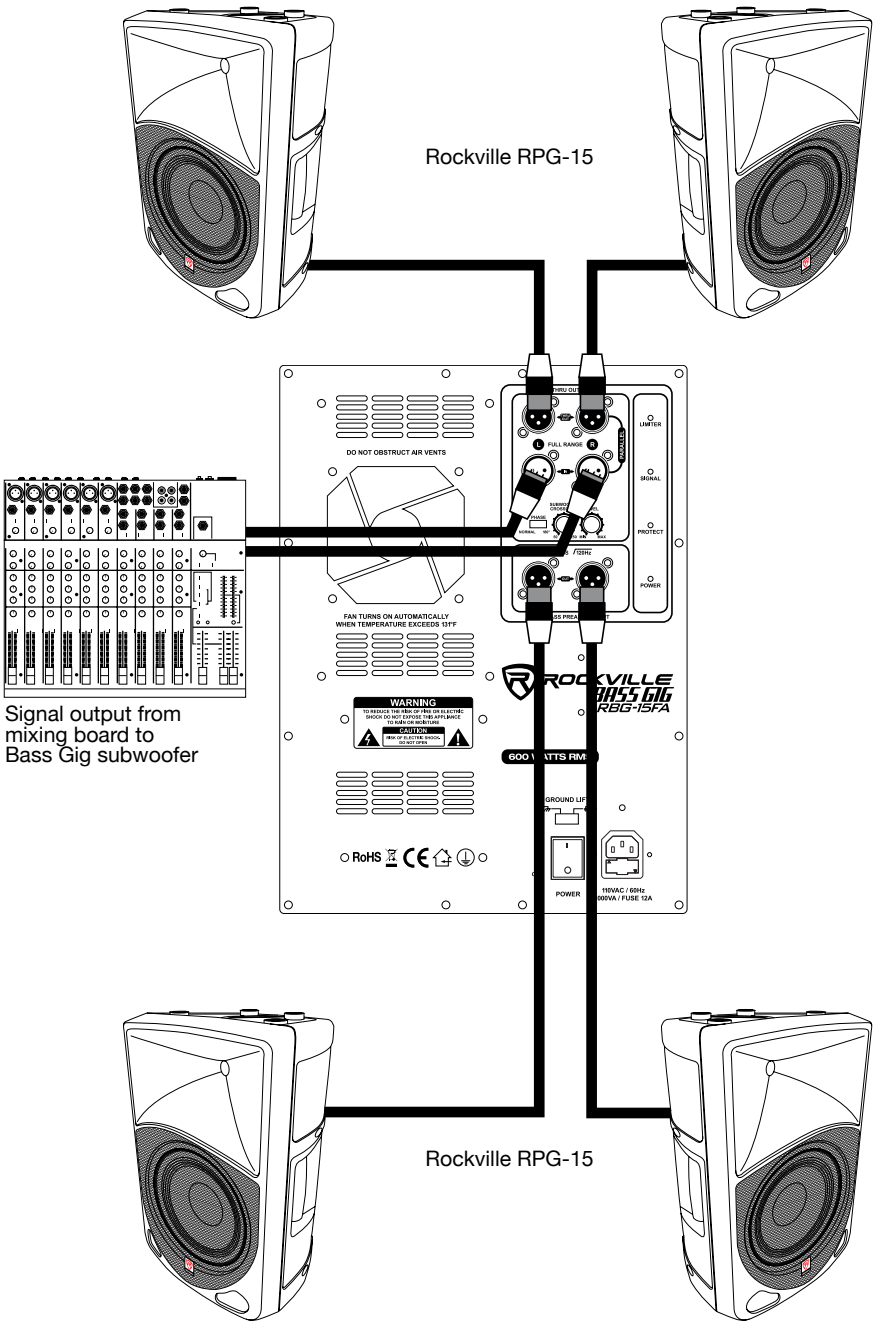
Folded Horn w/Two Sound Reinforcement Speakers in High Pass Configuration



Folded Horn Subwoofer w/Two Sound Reinforcement Speakers in Full Range Configuration

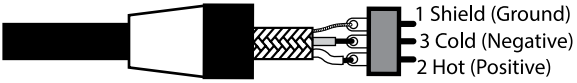


Folded Horn w/Dual Speaker Configuration

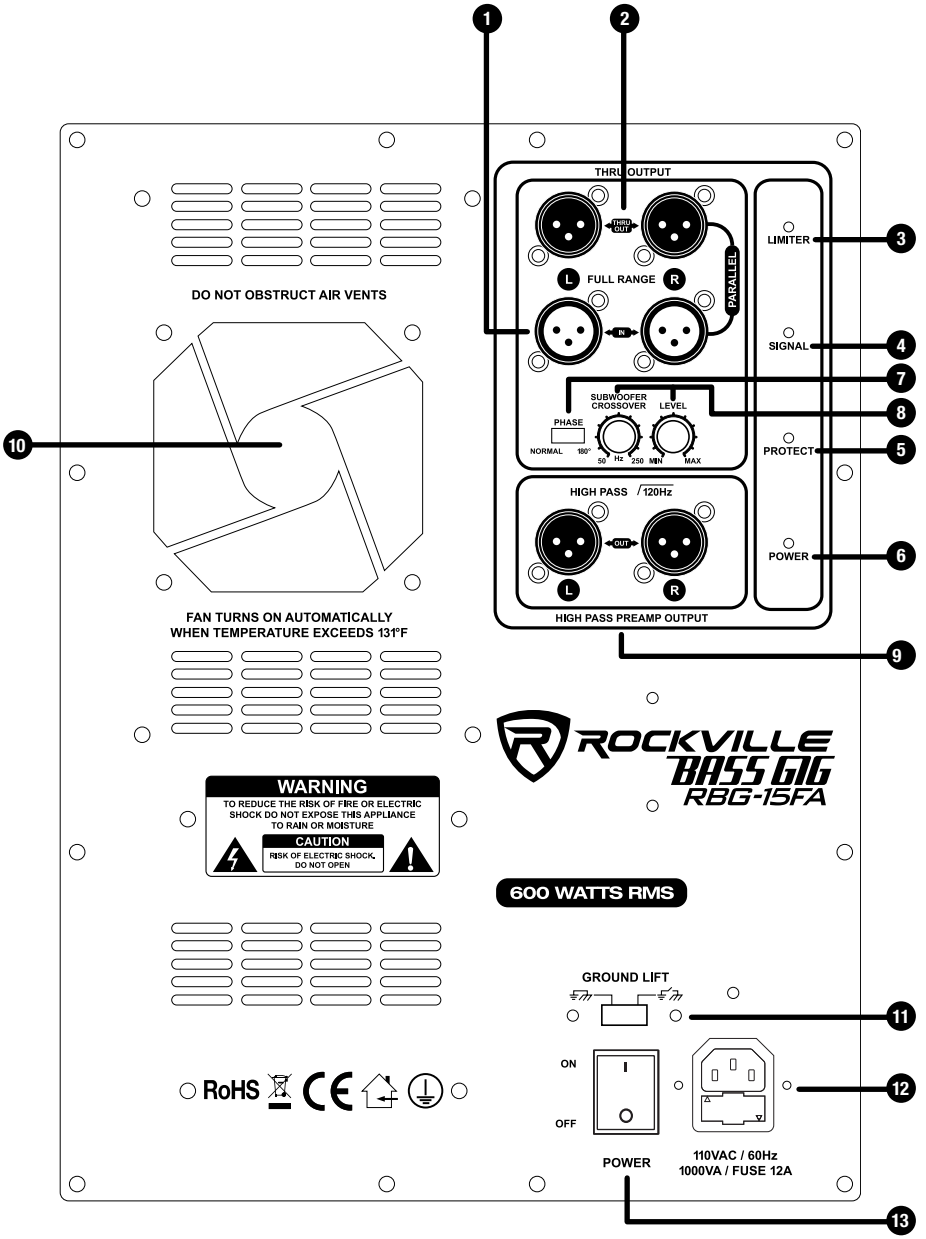


Balanced vs Unbalanced Lines

A balanced line is a three-conductor system in which two signal wires carry an equal, but opposite voltage with respect to the ground wire. The ground wire acts only as a shield and does not carry any audio signal current. Outside interference is either shielded from the internal signal conductor, or if it gets into the cable is cancelled out by the opposite signals at the receiving end. Balanced connections are preferred for long cable runs.



An unbalanced cable is a two-wire system where the shield (ground wire) acts as one of the current carrying signal conductors. The center conductor enclosed by the shield is commonly known as the “hot” conductor. Unbalanced audio cables do not reject noise as well as balanced lines. Unbalanced lines are typical in home hi-fi type systems and on the outputs of electronic musical instruments. These work well if the distance between the components is short, the signal level is relatively high and all of the electronics used in the system are plugged into the same AC outlet.


1
2
THRU OUTPUT
THRU OUT
L
FULL RANGE
R
PARALLEL
IN
LIMITER
3
SIGNAL
4
7
8
SUBWOOFER CROSSOVER
LEVEL
PHASE
NORMAL
180°
50
Hz
250
MIN
MAX
PROTECT
5
HIGH PASS
120Hz
OUT
POWER
6
L
R
HIGH PASS PREAMP OUTPUT
9
10
DO NOT OBSTRUCT AIR VENTS
FAN TURNS ON AUTOMATICALLY
WHEN TEMPERATURE EXCEEDS 131°F
ROCKVILLE
BASS GIG
RBG-15FA
WARNING
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE
CAUTION
RISK OF ELECTRIC SHOCK. DO NOT OPEN
600 WATTS RMS
GROUND LIFT
11
ON
OFF
12
RoHS
110VAC / 60Hz
1000VA / FUSE 12A
POWER
13

1. Full Range XLR input will accept line input signal from any line level device with a balanced output jack.
2. Full Range XLR output will send the signal from the Full Range XLR inputs to another device.
3. Amplifier clip limit LED indicator. Lights up when the amplifier is near clipping. An occassional flickering is acceptable. If LED is lit continously adjust the Level control and reduce the output level of connected sources. Failure to do so may lead to premature failure of your speaker.
4. Full range signal LED indicator. Indicates signal input from connected sources.
5. Protect mode LED indicator. Indicates when amplifier has entered into protect mode.
6. Power LED indicator.
7. Phase switch reverses polarity of subwoofer and is dependent on the placement of the subwoofer relative to the speakers.
8. The Subwoofer Crossover knob allows you to set the crossover frequency. The Level knob is used to regulate the output level of the subwoofer. It allows you to set the balance between the speakers and subwoofers.
9. High Pass Pre-Amp XLR outputs are used to send the incoming signal to a full range active speaker or power amp.
10. Heat sensitive, variable speed auto turn on fan. Fan activates when temperature reaches 131° Farenheit. Speed is automatically adjusted as temperature increases or decreases.
11. Ground Lift switch. The ground lift switch eliminates unwanted hum and buzz by interrupting the ground loops between equipment, preventing current flow along the cable shield between two devices.
12. IEC AC Power socket / user serviceable fuse compartment
13. Power switch

Trouble Shooting

UNIT FAILS TO POWER UP.

1. Make sure unit is plugged in properly to wall outlet.
2. Check that power cable is plugged in tightly to unit.
3. If people or equipment tend to step and roll over or stretch your power cable it can get damaged. Always try a second cable to test for shorts in original cable. Dispose of original damaged power cables immediately.
4. If system still fails to light, ***UNPLUG FROM WALL***. There is a small door below the plug input on the Bass Gig unit, pop off this door and remove the fuse with long nose pliers and replace with same rated fuse. Please make sure unit is unplugged from wall before attempting to change the fuse!

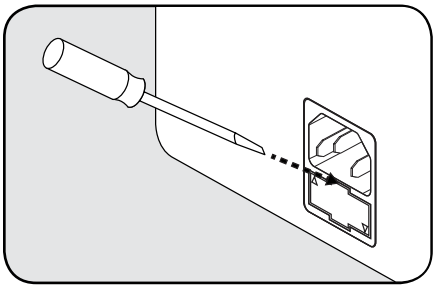
UNIT TURNS ON, BUT NO SOUND.

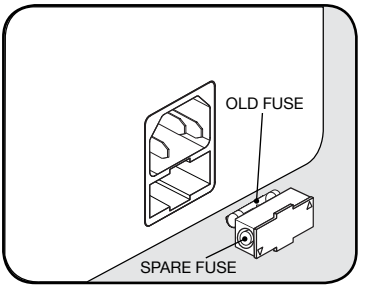
1. Check that all cables are plugged in properly.
2. If using a mixing console make sure fader and balance are set to center positions and level increased.

NOISE, HISS, OR HUM AT OUTPUT.

1. Noisy ground device. Move the Ground Lift switch to the disconnect ground position (to the right).

Fuse replacement Diagram





FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

Responsible party name: Rockville

Address: 333 Pearsall Ave.
Cedarhurst, NY 11096

Hereby declares that the product(s) Bass Gig series pro audio speakers comply with FCC rules as mentioned in the following paragraph:

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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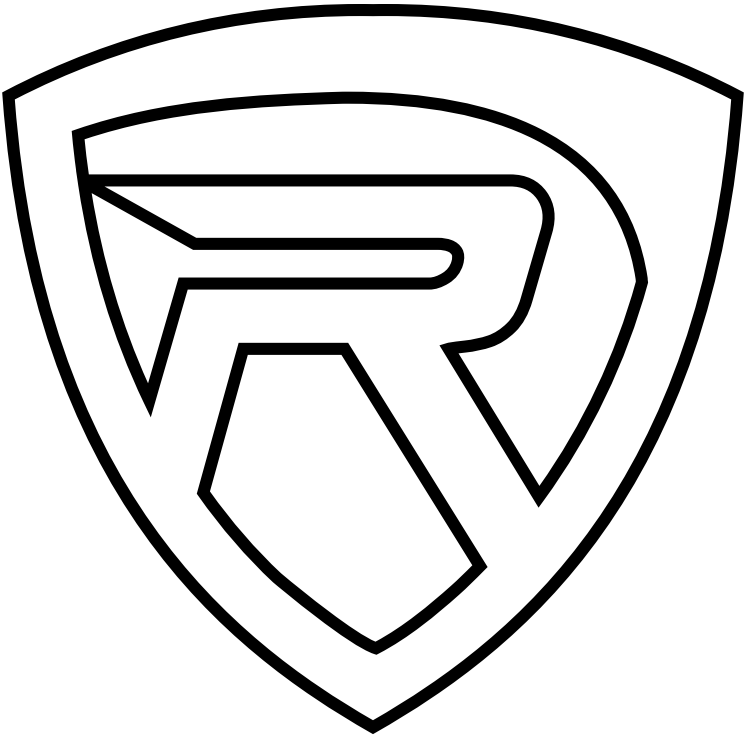

Rockvilleaudio.com

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